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BULLETIN

OF THE

AMERICAN PHYSICAL SOCIETY

CONSTITUTION AND BY-LAWS
ARTICLES OF INCORPORATION
AND
MEMBERSHIP LIST

APRIL, 1935

PUBLISHED BY THE AMERICAN PHYSICAL SOCIETY
SEVEN ISSUES EACH YEAR

Constitution and By-Laws
Articles of Incorporation
and
Membership List
of the
American Physical Society
April, 1935

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BULLETIN

of the

AMERICAN PHYSICAL SOCIETY

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The American Physical Society

OFFICERS OF THE SOCIETY FOR 1935

President

R. W. Wood, The Johns Hopkins University, Baltimore, Md.

Vice-President

F. K. Richtmyer, Cornell University, Ithaca, N. Y.

Secretary

W. L. Severinghaus, Columbia University, New York, N. Y.

Treasurer

G. B. Pegram, Columbia University, New York, N. Y.

Editor

John T. Tate, University of Minnesota, Minneapolis, Minn.

Local Secretary for the Pacific Coast

L. B. Loeb, University of California, Berkeley, Calif.

COUNCIL

"The President, Vice-President, Secretary, Treasurer, Managing Editor, the three Past-Presidents most recently retired from office, eight elected members and all Past-Presidents first elected to the office of President prior to December 1932 constitute the Council which shall have general charge of the affairs of the Society."

Past-Presidents

Carl Barus	R. A. Millikan	K. T. Compton
E. L. Nichols	J. S. Ames	H. G. Gale
Henry Crew	Theodore Lyman	W. F. G. Swann
W. F. Magie	C. E. Mendenhall	Paul D. Foote
Ernest Merritt	D. C. Miller	A. H. Compton

Elected Members

F. L. Mohler	E. C. Kemble	F. K. Richtmyer
J. H. Van Vleck	E. O. Lawrence	G. Breit
L. O. Grondahl		K. K. Darrow

PAST AND PRESENT OFFICERS OF

THE AMERICAN PHYSICAL SOCIETY

PRESIDENT

†Deceased

†Henry A. Rowland 1889–1900
†Albert A. Michelson 1901–1902
†Arthur G. Webster 1903–1904
Carl Barus 1905–1906
Edward L. Nichols 1907–1908
Henry Crew 1909–1910
W. F. Magie 1911–1912
†B. O. Peirce 1913
Ernest Merritt 1914–1915
R. A. Millikan 1916–1917
†H. A. Bumstead 1918
J. S. Ames 1919–1920
Theodore Lyman 1921–1922
C. E. Mendenhall 1923–1924
Dayton C. Miller 1925–1926
Karl T. Compton 1927–1928
Henry G. Gale 1929–1930
W. F. G. Swann 1931–1932
P. D. Foote 1933
Arthur H. Compton 1934
R. W. Wood 1935

VICE-PRESIDENT

†Albert A. Michelson 1899–1900
†Arthur G. Webster 1901–1902
Elihu Thomson 1903–1904
†D. B. Brace 1905
E. L. Nichols 1906
Henry Crew 1907–1908
W. F. Magie 1909–1910
†B. O. Peirce 1911–1912
Ernest Merritt 1913
†K. E. Guthe 1914–1915
†H. A. Bumstead 1916–1917
J. S. Ames 1918
†W. C. Sabine 1919
Theodore Lyman 1919–1920
C. E. Mendenhall 1921–1922
Dayton C. Miller 1923–1924
K. T. Compton 1925–1926
Henry G. Gale 1927–1928
W. F. G. Swann 1929–1930
P. D. Foote 1931–1932
A. H. Compton 1933
R. W. Wood 1934
F. K. Richtmyer 1935

SECRETARY

Ernest Merritt 1899–1912
†A. D. Cole 1913–1917
Dayton C. Miller 1918–1922
Harold W. Webb 1923–1928
W. L. Severinghaus 1929–

TREASURER

†William Hallock 1899–1907
J. S. Ames 1907–1917
G. B. Pegram 1918–

ELECTED MEMBERS OF THE COUNCIL

†H. S. Carhart, M. I. Pupin 1899–1900
W. F. Magie 1899–1901, 1902–1906
†A. G. Webster 1899–1901, 1905–1908
†C. S. Hastings 1899–1902
J. S. Ames 1899–1903, 1905–1908
E. L. Nichols 1899–1903
†A. L. Kimball 1901–1902
H. Crew, †E. B. Rosa 1901–1904
C. Barus, †D. B. Brace 1902–1904
E. H. Hall, †B. O. Peirce 1903–1906
†W. S. Franklin, E. Rutherford 1904–1907
†E. P. Lewis, †F. E. Nipher 1905
R. A. Millikan, †A. Trowbridge 1906–1909
†H. A. Bumstead, C. E. Mendenhall 1907–1910
†W. C. Sabine, †S. W. Stratton 1908–1911

J. C. McLennan
†E. F. Nichols 1909–1912
†K. E. Guthe
C. A. Skinner 1910–1913
R. A. Millikan
J. Zeleny 1911–1914
†H. A. Bumstead
T. Lyman 1912–1915
H. T. Barnes
W. J. Humphreys 1913–1916
†G. K. Burgess
D. C. Miller 1914–1917
C. E. Mendenhall
G. W. Stewart 1915–1918
I. Langmuir 1916–1919
G. B. Pegram 1916–1918
†G. O. Squier
H. A. Wilson 1917–1920
A. L. Day
G. F. Hull 1918–1921
Max Mason 1919
†G. K. Burgess
J. C. McLennan 1919–1922
F. B. Jewett
Max Mason 1920–1923
K. T. Compton
H. M. Randall 1921–1924
H. G. Gale
D. L. Webster 1922–1925
F. C. Brown
A. L. Hughes 1923–1926
A. S. Eve
A. W. Hull 1924–1927
F. C. Blake
W. F. G. Swann 1925–1928
A. H. Compton 1926–1929
†E. P. Lewis 1926
Raymond T. Birge 1927–1929
Paul D. Foote
G. W. Stewart 1927–1930
L. J. Briggs
H. L. Bronson 1928–1931
H. E. Ives
A. L. Loomis 1929–1932
L. W. McKeehan
D. L. Webster 1930–1933
W. D. Coolidge
F. W. Loomis 1931–1934
F. L. Mohler
J. H. Van Vleck 1932–1935
L. O. Grondahl
E. C. Kemble 1933–1936
E. O. Lawrence
F. K. Richtmyer 1934–1937
G. Breit
K. K. Darrow 1935–1938

MANAGING EDITOR

Frederick Bedell 1913–1922
G. S. Fulcher 1923–1925
John T. Tate 1926–

BOARD OF EDITORS

J. S. Ames
†B. O. Peirce 1913
John Zeleny
†K. E. Guthe
W. F. Magie 1913–1914
C. A. Skinner
J. C. McLennan
R. A. Millikan 1913–1915
†E. F. Nichols
†H. A. Bumstead
C. E. Mendenhall 1914–1916
†A. G. Webster
J. S. Ames
Edgar Buckingham 1915–1917
†A. A. Michelson
†E. P. Lewis
†W. C. Sabine 1916–1918
†A. Trowbridge
N. E. Dorsey
Wm. Duane 1917–1919
O. M. Stewart
†G. K. Burgess
†A. D. Cole 1918–1920
A. C. Lunn
Henry Crew
L. V. King 1919–1921
H. S. Uhler
E. L. Nichols
C. M. Sparrow 1920–1922
W. F. G. Swann
G. S. Fulcher 1921–1922
F. A. Saunders
O. M. Stewart 1921–1923
E. P. Adams
A. J. Dempster 1922–1924
A. L. Hughes
A. H. Compton
E. H. Kennard 1923–1925
Leigh Page
H. D. Babcock
W. G. Cady 1924–1926
John T. Tate 1924–1925
K. K. Darrow
E. C. Kemble 1925–1927
F. L. Mohler
J. A. Gray
G. E. M. Jauncey 1926–1928
J. H. Van Vleck

L. W. McKeehan	1926
G. Breit P. W. Bridgman L. W. McKeehan R. S. Mulliken	1927–1929
H. D. Smyth I. S. Bowen E. U. Condon	1928–1930
C. J. Davisson F. K. Richtmyer F. W. Loomis	1929–1931
K. F. Herzfeld A. W. Hull	1930–1932
A. J. Dempster D. M. Dennison J. C. Slater	1931–1933
R. C. Gibbs E. O. Lawrence J. H. Van Vleck	1932–1934
K. K. Darrow J. C. Hubbard A. E. Ruark	1933–1935
Alexander Ellett L. A. Turner G. E. Uhlenbeck	1934–1936
W. V. Houston R. S. Mulliken I. I. Rabi	1935–1937

CONSTITUTION

ARTICLE I—Name

This Society shall be called the American Physical Society.

ARTICLE II—Object

The object of the Society shall be the advancement and diffusion of the knowledge of physics.

ARTICLE III—Fellowship and Membership

1. The membership of the Society shall consist of fellows, members, and honorary members.

2. There shall be elected to fellowship only such persons as have contributed to the advancement of physics by independent, original research, or who have rendered some other special service to the cause of the science which is considered equivalent to such investigations. The fulfilment of these qualifications shall be determined by an examination of the published works of the candidate.

3. There may be elected to membership persons of any of the following classes: (a) graduate students specializing in physics; (b) teachers of physics in colleges and secondary schools who have not yet completed investigations which warrant election to fellowship; (c) other physicists whose work of investigation is not sufficient for qualifications as fellows; (d) persons engaged in lines of work related to physics, such as mathematics, astronomy, etc.; (e) persons who are not professionally engaged either in physics or related lines, but whose interest and activity in the science would make them desirable members. Members have all the privileges of fellows except that they may not vote or hold office.

4. Honorary members shall be persons of acknowledged preeminence in the science of physics. American physicists shall not be eligible to honorary membership. Honorary members shall have all the privileges of fellows, except that they may not vote or hold office; they shall be exempt from all dues and assessments.

ARTICLE IV—Election of Fellows and Members

1. For the election of a new fellow or member of the Society, or for the transfer of a member to fellowship, a nomination in due form, signed by two fellows or members of the Society, shall be presented at a meeting of the Council and, at a meeting of the Council occurring at least two weeks later the person named in such nomination shall receive the favorable ballots of a majority of the Councilors present. The Council may, however, at its discretion make election to membership at the same meeting at which the nomination is presented.

2. A nomination for honorary membership shall be made by vote of the Council at a regular meeting of the Society, or by a petition in due form signed by not less than five members of the Council and submitted to the Secretary. A nomination so presented shall be submitted by the Secretary to letter ballot of all the members of the Council. For election to honorary membership the nominee shall receive the favorable votes of not less than three-fourths of the entire membership of the Council.

ARTICLE V—Officers

The officers of the Society shall be a President, a Vice-President, a Secretary, a Treasurer, and a Managing Editor.

ARTICLE VI—Council and Board of Editors

1. The President, Vice-President, Secretary, Treasurer, Managing Editor, the three Past-Presidents most recently retired from office, eight other members elected in the manner specified in Article VII, and all Past-Presidents first elected to the office of President prior to December 1932 shall constitute a Council which shall have general charge of the affairs of the Society.

2. The Managing Editor and such other elected and appointed members as the Council may from time to time designate shall constitute the Board of Editors, and shall have charge, as designated by the Council, of the several publications of the Society. Not fewer than ten members of the Board of Editors, including the Managing Editor, shall be elected in the manner specified in Article VII.

ARTICLE VII—Election of Officers

1. The officers of the Society and the elected members of the Council and of the Board of Editors shall be elected by ballot at the Annual Meeting of each year. At least eight weeks before the Annual Meeting the Secretary shall send to each fellow of the Society a request for nominations, specifying the offices which are to be filled. The name of every candidate nominated by not less than twenty fellows shall be printed on the official ballot. The ballots shall also contain the names of one or more candidates proposed by the Council for each office and blank spaces in which the voter may substitute other names. A copy of the official ballot shall be sent to each fellow not less than three weeks before the Annual Meeting. Such a ballot, if marked by a qualified voter to indicate his choice, and if returned to the Secretary in a sealed envelope bearing the name of the voter, shall be counted at the Annual Meeting. A ballot properly marked and endorsed by a qualified voter may be cast in person at the Annual Meeting. A majority of all votes cast in person or by letter ballot shall be necessary for election. In case of failure to secure a majority for any office, the fellows present at the Annual Meeting shall choose by ballot one of the two candidates having the highest number of votes for that office.

2. The term of office shall be one year for the President, Vice-President, Secretary, and Treasurer, four years for the elected members of the Council, and three years for the Managing Editor and the other elected members of the Board of Editors. Each official shall hold office until his successor is elected and has qualified.

3. No officer of the Society, except the Secretary, Treasurer, and Managing Editor, shall be eligible for reelection to the same office until at least one year after the completion of his term of office.

4. If an office for any reason becomes vacant, the vacancy shall be filled by the Council for the remainder of the term. If any elected member of the Council or of the Board of Editors vacate his position more than one year before the expiration of his term, the vacancy for the unexpired term shall be filled by the Society, by ballot, at the Annual Meeting.

ARTICLE VIII—Sections

1. Members and fellows residing in any locality may, with the approval of the Council, organize a local Section for the more active furtherance of the object of the Society as stated in Article II.

2. Any local Section of the Society may be dissolved at the discretion of the Council.

ARTICLE IX—Divisions

1. The Council may, upon petition by members of the Society, form a Division within the Society charged with the advancement and diffusion of the knowledge of a specified subject or subjects in physics.

2. Each Division shall elect an Executive Committee the Chairman of which shall report its activities and needs to the Council.

3. Any Division may be dissolved at the discretion of the Council.

ARTICLE X—Amendments

No part of this Constitution shall be amended or annulled except by a vote taken at an Annual Meeting of the Society in the following manner: Any proposed amendment to this Constitution, accompanied by a proper ballot form, shall be submitted to all fellows of the Society at least three weeks in advance of the meeting at which such amendment is to be considered. Every ballot marked by a qualified voter to indicate his vote and returned to the Secretary in a sealed envelope bearing the name of the voter shall be counted at the meeting. A ballot properly marked and endorsed by a qualified voter may be cast in person at the Annual Meeting. The adoption of the proposed amendment shall require the affirmative votes of not less than two-thirds of the fellows voting in person at the meeting together with those voting by letter ballot.

BY-LAWS

ARTICLE I—Dues

1. The annual dues of fellows shall be fourteen dollars and of members ten dollars, payable on the 1st of January.

2. The membership of each new fellow or member shall date from the January 1st nearest to the time of his election and he shall be entitled to receive periodicals from that date, as provided in Article VI.

3. If the dues of any fellow or member remain unpaid beyond a reasonable time, the Council, after due notice, shall remove his name from the membership list.

4. The Council shall, however, have power, by a special vote in each case, to honor a member or fellow by placing him on a retired list with no dues, provided such member or fellow is not less than sixty-five years of age, and has retired from active service in his professorial or other corresponding position. A member or fellow going on the retired list will waive the right to receive the journals from the Society.

ARTICLE II—Meetings

At least four regular meetings shall be held each year, at such times and places as shall be ordered by the Council. One of these, to be called the Annual Meeting, shall be held on a day to be determined by the Council, between the 26th and 31st of December, inclusive. Notices of the time and place of each meeting shall be sent by the Secretary to all fellows and members of the Society.

ARTICLE III—Meetings of the Council

1. There shall be a meeting of the Council at the time and place of each regular meeting of the Society.

2. The president shall convoke the Council in special meeting whenever the affairs of the Society require it.

3. A request in writing from five members of the Council shall render the convocation of the Council obligatory.

ARTICLE IV—Presidential Address

It shall be the duty of the President to deliver an address before the Society at the Annual Meeting next succeeding his first election as President of the Society.

ARTICLE V—Papers

1. Only those titles of papers shall be listed on the preliminary program of a meeting of the Society for which abstracts for publication are in the hands of the Secretary.

2. A separate program shall be announced for each session, due allowance being made for discussion. Each session shall begin with the papers announced for that session, even when the program of the preceding session has not been completed.

3. When two or more papers are offered by the same fellow or member, one only of these will be assigned a place on the regular program, while the others will be placed in a supplementary program, to be called for if time permits.

4. Papers received after the program has been printed will be placed in the supplementary program.

5. Except by special vote of the Society, the maximum allowance of time for the presentation of a paper shall be ten minutes. The presiding officer shall enforce this rule.

ARTICLE VI—Journals

1. Each fellow or member of the Society who has paid his dues in full, shall receive *The Physical Review* published by the Society, and *Science Abstracts, Section-A Physics*, except that a member or fellow not residing in the United

States, Canada, or Mexico, shall be entitled to receive *The Physical Review* only after payment in addition to dues of an amount to be fixed by the Managing Editor. (See also note below.)

2. *The Physical Review* shall not be sent to newly elected fellows or members until the Managing Editor shall have received notice from the Treasurer that the dues have been paid in full.

ARTICLE VII—COMMITTEES

The terms of office of all committees appointed by vote of the Council or of the Society, shall end on the January 1st next following the appointment, except upon special action of the Council continuing a committee.

ARTICLE VIII—AMENDMENTS

These By-Laws may be amended or suspended only upon recommendation of the Council, and by a two-thirds vote of the fellows present at a meeting of the Society.

(Note: By action of the Council on request addressed to the Treasurer either *Physics* or *Reviews of Modern Physics* may be substituted for *The Physical Review*, and *Science Abstracts "B"* may be substituted for *Science Abstracts "A."* Until further notice the Managing Editor has set $1.50 as the payment in addition to dues to be made by a member (not a fellow) not residing in the United States, Canada, or Mexico.)

ARTICLES OF INCORPORATION

Incorporated in the District of Columbia

DISTRICT OF COLUMBIA,

KNOW ALL MEN BY THESE PRESENTS, that we, all citizens of the United States, whose names are hereto undersigned, a majority of whom are residents of the District of Columbia, being desirous to form a society and body corporate under the laws of the said District, and in particular under sub-chapter 111 of Chapter XVIII of the Code of Law in force in the said District, do hereby declare and certify as follows, that is to say:

First. The name of the Society hereby formed shall be The American Physical Society.

Second. The term of existence of the said Society shall be perpetual.

Third. The said Society shall have no capital stock.

Fourth. The object and purpose of the said Society is, and shall be, to promote the advancement and diffusion of the knowledge of physics, to publish a periodical and other publications for that purpose, and to do such other things as may be conducive to the said purpose.

Fifth. The business affairs and concerns of the said Society shall be, during the first year of the existence, managed and directed by a board of trustees to be called the council, and consisting of twelve persons, the first members of which council, who shall act as such until the membership may be changed by an election held in accordance with the constitution and by-laws of the Society, shall be:

Ernest Merritt, Ithaca, New York;
Karl E. Guthe, Ann Arbor, Michigan;
Alfred D. Cole, Columbus, Ohio;
Joseph S. Ames, Baltimore, Maryland;
Robert A. Millikan, Chicago, Illinois;
John Zeleny, Minneapolis, Minnesota;
Henry A. Bumstead, New Haven, Connecticut;
Theodore Lyman, Cambridge, Massachusetts;
Howard T. Barnes, Montreal, Canada;
William J. Humphreys, Washington, D. C.;
Dayton C. Miller, Cleveland, Ohio;
George K. Burgess, Washington, D. C.;

The said Society reserves the right and power to amend, alter, replace, and to add to any and all of the provisions contained in this certification in such manner and to such extent as may be authorized by law.

In witness whereof, we have affixed our signatures and our seals this the fourth day of November in the year 1914.

ARTHUR L. DAY (SEAL)
W. J. HUMPHREYS (SEAL)
S. W. STRATTON (SEAL)
GEORGE K. BURGESS (SEAL)

DISTRICT OF COLUMBIA,
CITY OF WASHINGTON.

I, Henry D. Hubbard, a Notary Public in and for the District of Columbia, do hereby certify that George K. Burgess of Washington in the District of Columbia, Arthur L. Day, of the same city, William J. Humphreys of the same city, and Samual W. Stratton of the same city, being parties to the aforegoing certificate of incorporation of the American Physical Society whose signatures and seals are thereto affixed, which certificate bears date on the fourth day of November in the year 1914, did personally appear before me in the City of Washington in the District aforesaid, the said persons being personally known to me as the persons who signed and sealed the said certificate, and did severally acknowledge the said certificate to be their act and deed for the purposes stated and set forth therein.

Witness my hand and official seal set hereto on this fourth day of November in the year 1914.

HENRY D. HUBBARD,
(Notarial Seal) *Notary Public.*

OFFICE OF THE RECORDER OF DEEDS,
DISTRICT OF COLUMBIA.

This is to certify that the foregoing is a true and verified copy of the Articles of Incorporation, of the American Physical Society, and of the whole of said Articles of Incorporation, as filed in this office the 10th day of November, 1914, and recorded in Liber No. 31, folio 57, et seq., one of the Incorporation Records of the District of Columbia.

In testimony whereof, I have hereunto set my hand and affixed the seal of this office this 23rd day of December, A. D. 1914.

Deputy and Acting Recorder of Deeds, D. C.
R. W. DUTTON.

GROWTH IN NUMBER OF MEMBERS IN THE AMERICAN PHYSICAL SOCIETY

Year	*Honorary*	*Fellows*	*Members*	*Total*	*Year*	*Honorary*	*Fellows*	*Members*	*Total*
1899		59		59	1921	7	461	925	1393
1900		96		96	1922	7	467	1044	1518
1901		100		100	1923	8	484	1120	1612
1902		144		144	1924	8	482	1169	1659
1905	2	255	25	282	1925	8	491	1261	1760
1907	5	287	142	434	1926	8	487	1358	1853
1909	5	295	195	495	1927	7	486	1427	1920
1912	6	316	303	625	1928	6	520	1637	2163
1913	6	340	336	682	1929	6	522	1844	2372
1915	7	365	289	661	1930	5	516	1963	2484
1917	7	370	491	868	1931	6	679	1882	2567
1918	7	395	533	935	1932	6	666	1916	2588
1919	7	452	687	1146	1933	6	662	2005	2673
1920	7	456	833	1296	1934	6	662	2055	2723

MEMBERSHIP LIST

OF

THE AMERICAN PHYSICAL SOCIETY

APRIL, 1935

HONORARY MEMBERS

Bjerknes, Vilhelm Frimann Koren, Dr. Phil., LL.D., Professor of Mechanics and Mathematical Physics at the *University of Oslo, Oslo, Norway.*

Bohr, Niels, Dr. Phil., Professor of Theoretical Physics, University of Copenhagen and Director of the Institute of Theoretical Physics, *Blegdamsveg 15, Copenhagen, Denmark.*

Bragg, Sir William (Henry), K.B.E., F.R.S., M.A., D.Sc., LL.D., Fullerian Professor of Chemistry and Director of the Davy-Faraday Research Laboratory, The Royal Institution, *21 Albemarle St., London, W. 1, England.*

Einstein, Albert, D.Sc., Ph.D., LL.D., Professor of Mathematical Physics, Institute for Advanced Study, Princeton, N.J.

Planck, Max, Dr. Phil., D.Sc., Dr. Ing., Professor of Theoretical Physics, University of Berlin, Permanent Secretary of the Prussian Academy of Sciences, *Wangenheim Str. 21, Grünewald, Berlin, Germany.*

Rutherford, 1st Baron of Nelson, Ernest, Kt., O.M., F.R.S., M.A., D.Sc., Ph.D., Cavendish Professor of Experimental Physics, University of Cambridge, and Director of Cavendish Laboratory, *Newnham Cottage, Queen's Road, Cambridge, England.*

FELLOWS AND MEMBERS

Note: A name preceded by an asterisk (*) is that of a Fellow; all others are Members. Addresses are given as on record in the office of the Treasurer.

Abbitt, William H., Texas Technological College, Lubbock, Tex.
Abbot, L. H., 50 Whittemore Rd., Newton, Mass.
Abbott, F. R., University of Washington, Seattle, Wash.
Abbott, Raymond B., 339 Sylvia St., West Lafayette, Ind.
Abell, Orie L., Loyola University, New Orleans, La.
Abramson, Harold A., 630 West 168th St., New York, N.Y.
Ackerman, D. E., International Nickel Co., Bayonne, N.J.
Adams, Arthur S., Box 85, Golden, Colo.
Adams, Clete, Quincy College, Quincy, Ill.
***Adams,** Comfort A., Harvard University, Cambridge, Mass.
***Adams,** Edwin P., Princeton University, Princeton, N.J.
***Adams,** Elliot Q., Lamp Development Laboratory, Nela Park, Cleveland, Ohio.
Adams, John M., University of California, Los Angeles, Calif.
***Adams,** L. H., 2801 Upton St., Washington, D.C.
Adams, Norman I., Yale University, New Haven, Conn.
Ahearn, Arthur J., Bell Telephone Laboratories, Inc., 463 West St., New York, N.Y.
Aitchison, John M., c/o John Lynn, Croton, Ohio.
Akeley, Edward S., Purdue Memorial Union, Lafayette, Ind.
Albers, Vernon M., Antioch College, Yellow Springs, Ohio.
Albertson, Walter E., Massachusetts Institute of Technology, Cambridge, Mass.
Albright, C. Leonard, University of Richmond, Richmond, Va.
Albright, John G., Case School of Applied Science, Cleveland, Ohio.
Albright, Penrose S., Winfield, Kans.
Alderman, George W., Massachusetts Agricultural College, Amherst, Mass.
Alexander, Lowell M., University of Cincinnati, Cincinnati, Ohio.
Allaman, Haidee H., 1453 Woodward Ave., Lakewood, Ohio.
Allen, Alexander J., Cancer Research Laboratories, 133 South 36th St., Philadelphia, Pa.
Allen, Mildred, 14 Silver St., South Hadley, Mass.
Allen, Harriet W., 14 Clinton St., Cambridge, Mass.
Allen, Hubert W., Massachusetts Institute of Technology, Cambridge, Mass.
Allen, Robert I., John Stetson University, DeLand, Fla.
***Allen,** Samuel J. M., University of Cincinnati, Cincinnati, Ohio.
Allibone, T. E., Senlac, Norman Rd., Sale, Cheshire, England.
Allis, William P., Massachusetts Institute of Technology, Cambridge, Mass.
***Allison,** Fred, Alabama Polytechnic Institute, Auburn, Ala.
***Allison,** Samuel K., University of Chicago, Chicago, Ill.
***Almy,** Gerald M., University of Illinois, Urbana, Ill.
***Almy,** John E., University of Nebraska, Lincoln, Nebr.
***Alter,** Dinsmore, University of Kansas, Lawrence, Kans.
Alvarez, Luis W., University of Chicago, Chicago, Ill.
Ambrosia, Sister M., Marygrove College, Detroit, Mich.
***Ames,** Joseph S., Johns Hopkins University, Baltimore, Md.
Andersen, Erik, 716 Marquette Dr., Detroit, Mich.
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Honorary Members	6
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Hayes, Harvey C.
Hays, Margaret B.
Heyl, Paul R.
Hidnert, Peter
Hodge, O. J.
Hoover, W. H.
Hulburt, Edward O.
Humphreys, W. J.
Ives, James E.
Jefferson, Merrill E.
Jessup, R. S.
Johnson, Ellis A.
Jones, Ernest J.
Judson, Lewis V.
Kahler, Herbert
Kaiser, H. F.
Kennard, Ralph B.
Kiess, C. C.
Klein, Elias
Kolkmeyer, Emeran J.
Kracek, Frank C.
Kunsman, C. H.
Larrivee, Jules A.
Lewis, A. B.
Liddell, Urner
Marie, Sister Aloysius
Maris, H. B.
Maxwell, Louis R.
May, Albert
McAlister, E. D.
McAllister, Addams S.
McCane, C. Anthony
McIlwraith, Charles G.
McNicholas, Harry J.
Meggers, William F.
Merwin, H. E.
Meyer, J. Franklin
Mohler, Fred L.
Nutting, P. G.
Phelphs, Francis P.
Philpott, LaVerne R.
Pienkowsky, Arthur T.
Rock, George D.
Roeser, William F.
Rouse, Glenn F.
Scott, Arnold H.
Seeger, Raymond J.
Silsbee, F. B.
Singer, George
Skinner, Clarence A.
Snow, Chester
Stang, A. H.
Stephenson, E. B.
Stimson, Harold F.
Talbott, F. Leo
Taylor, A. Hoyt
Thews, John G.
Tool, Arthur Q.
Tuve, M. A.
Van Dusen, Milton S.
Van Orstrand, C. E.
Wait, G. R.
Wenner, Frank
Wheeler, L. P.
White, Walter P.
Wright, Fred E.
Wulf, Oliver R.
Zisman, W. A.

FLORIDA—16

DeLand
Allen, Robert I.
Vance, Charles B.

Gainesville
Bless, Arthur A.
Dostal, Bernard

Gainesville con't.
Germond, H. H.
Knowles, H. L.
Perry, W. S.
Swanson, D. C.
Williamson, R. C.

Miami
Hart, O. P.

Pensacola
Sparks, Brian O.

Sanford
Lovell, William V.

Tallahassee
Richards, Harold F.

Tampa
Becknell, G. G.
Coulson, John

Winter Park
Kinsler, Lawrence E.

GEORGIA—10

Athens
Dixon, E. H.
Hendren, L. L.
Snyder, Rufus H.

Atlanta
Herod, Newton S.
Rosselot, Gerald A.
Wills, H. L.

Emory University
Nelms, William S.

Macon
Quarles, Gilford G.

Mount Berry
McAllister, Lawrence E.

Rome
Graves, Robert W.

IDAHO—1

Moscow
Hammar, Gustaf W.

ILLINOIS—146

Aurora
Smith, Clarence R.

Berwyn
Hartsough, R. C.

Bloomington
Hargitt, Thomas F.
Stillhamer, A. G.

Carbondale
Young, Otis B.

Champaign
Hoersch, Victor A.

Charleston
Verwiebe, Frank L.

Chicago
Allison, Samuel K.
Alvarez, Luis W.
Beardsley, Niel F.
Bender, William
Blackburn, C. Marvin
Bond, Donald S.
Bradford, James M.
Christy, Andrew
Clements, John H.
Compton, Arthur H.
Constantinides, Philip A.
Dempster, Arthur J.
Dershem, Elmer
Doan, Richard L.
Donahue, Sister Mary St. Helen
Dunifon, James W.
Eckart, Carl
Elting, John P.
Ffolliott, Charles F.
Gaddas, Sumner F.
Gale, Henry G.
Glentzer, Kenneth V.
Harkins, W. D.
Hastings, A. Baird
Hoag, J. Barton
Hogness, T. R.
Hoyt, Frank C.
Hunter, Frederick L. Jr.
Jacobsohn, Samuel
Jesse, William P.
Kazda, Charles B.
Kliever, Waldo H.
Klopsteg, Paul E.
Laird, Harold R.
Lemon, Harvey B.
Lunn, A. C.
MacMahon, A. M.
McMaster, A. J.
Monk, George S.
Mulliken, Robert S.
Orndoff, Benjamin H.
Ort, John M.
Potts, Louis M.
Rah, Joseph C.
Rashevesky, Nicholas
Richardson, Donald E.
Riddel, O. A.
Rollefson, K. Egbert
Romig, Walter W.
Rothenstein, Otto
Schwede, Harold F.
Shankland, Robert S.
Sharp, H. M.
Shaw, Albert E.
Skinner, E. W.
Sordahl, Louis O.
States, M. N.
Stephenson, Reginald J.
Stevens, Daniel S.
Stewart, Rose
Stone, Carrington H.
Taylor, William P.
Thompson, James S.
Vogel, Oliver G.
Warner, Glen W.
Waterfall, Wallace
White, William B.
Wilcox, G. M.
Zachariasen, W. H.
Ziegler, George E.
Zieman, Stephen A.

Decatur
Palmer, R. Ronald

East Alton
Stehn, John R.
Womer, R. L.

East St. Louis
Cook, Samuel G.

Evanston
Bassoe, Else
Bockstahler, L. I.
Cashman, Robert J.
Crew, Henry
Fisher, R. A.
Hagen, Rowland V.
Huxford, W. S.
Jamison, Noel C.
Overbeck, Clarence J.
Smith, Arthur B.
Smith, Keith K.
Spence, B. J.
Woods, Robert M.

Galesburg
Longden, A. C.

Galva
Clark, Margaret L.

Geneva
Sabine, Paul E.

Grays Lake
Kerry, John R.

Greenville
Bettis, Edward S.

Harvey
Dickinson, Beryl H.

Henry
Notestein, Helen B.

Highland Park
Pfanstiehl, Carl

Hollywood
Million, John W. Jr.

Jacksonville
Fuller, Harold Q.

La Grange
Robbins, Charles W.

Lake Forest
Harris, Roscoe E.

Lisle
Shonka, Joseph J.

Naperville
Wall, C. N.

Oak Park
Holmquest, H. J.
Kegerreis, Roy
Woodruff, Albert E.

Park Ridge
Phebus, W. C.

Peoria
Swaim, V. F.

Quincy
Adams, Clete

River Forest
Fidelis, Sister Mary

Riverside
Schnable, G. L.

Rockford
Johnson, A. Frances
Shohat, N. Galli

Rock Island
Larson, Karl G.
Magnusson, J. P.

Urbana
Almy, Gerald M.
Bartlett, James H. Jr.
Bourgin, David G.
Carman, Albert P.
Challacombe, Carl N.
Clark, George L.
Horsfall, R. Bruce Jr.
Ketchum, P. W.
Knipp, Charles T.
Kruger, P. Gerald
Kusch, Polykarp
Loomis, F. Wheeler
Mott-Smith, Harold M.
Paton, Robert F.
Piersol, Robert J.
Reich, Herbert J.
Rodebush, Worth H.
Sanders, W. H.
Schulz, William F.
Tykociner, J. T.
Watson, Floyd R.
Watson, Tully F.
Weissberg, S. G.
Williams, Elmer H.

Wheaton
Taylor, H. O.

INDIANA—34

Bloomington
Dutcher, John B.
Foley, Arthur L.
Hufford, Mason F.
Lefler, Glenn Q.
Ramsey, Rolla R.

Crawfordsville
Horton, George W.

Evansville
Buffington, R. M.
Hovda, Olaf

Fort Wayne
Kranz, Fred W.

Goshen
Bender, Paul

Greencastle
Giddings, Glenn W.
Smith, Orrin H.

Hammond
Sparks, J. W.

Hanover
Martin, R. Earl

Huntingburg
Koenig, Harold D.

Lafayette
Abbott, Raymond B.
Akeley, Edward
Clark, Harold T.
George, R. H.
Lark-Horovitz, Karl
Mitchell, Elizabeth A.
Read, George E.
Walerstein, I.
Washer, Francis E.

Modoc
Fletcher, Hazel M.

Notre Dame
Collins, George
Irving, Thomas P.

Richmond
Owens, Herbert D.
Van Dyke, George D.

South Bend
James, William S.

Terre Haute
Howlett, B. A.
Hunter, Theodore A.

Valparaiso
Moody, H. W.

Winslow
Zimmerman, E. E.

IOWA—31

Ames
Anderson, E. W.
Atanasoff, John V.
Butler, L. W.
Carr, Percy H.
Davis, George E.
Fox, Gerald W.
Spinney, L. B.
Woodrow, J. W.

Cedar Falls
Kadesch, William H.

Cedar Rapids
Meyer, Alfred W.
Weld, LeRoy D.

Des Moines
Helmick, Paul S.
Morehouse, D. W.

Fairfield
Collins, E. Hobart
Greene, C. W.

Grinnell
Gale, Grant O.

Indianola
Carr, A. B.

Iowa City
Cohen, Victor W.
Eldridge, John A.
Ellett, Alexander
Lapp, Claude J.
Stewart, G. W.
Tyndall, Edward P. T.
Waldbauer, Louis

Mount Pleasant
Morrow, Roger W.
Poulter, Thomas C.

Mount Vernon
Nelson, Roy A.

Sioux City
Graber, Myron E.
Gwinn, Ira J.

Storm Lake
Wissink, G. M.

University Park
Russell, P. N.

KANSAS—18

Atchison
Sullivan, Sister Helen

Emporia
Miller, R. F.

Hays
Zinszer, Harvey A.

Lawrence
Alter, Dinsmore
Kester, F. E.
Rice, M. E.
Stranathan, James D.

Manhattan
Brackett, William R.
Hamilton, John O.
Lyon, Eric R.

Newton
Friesen, A. P.

Ottawa
Bernhart, Arthur

Seneca
Hall, Donald H.

Topeka
Moore, Fleming G.

Walton
Kaufman, Clinton

Wichita
Ayres, H. D.
Weber, Louis R.

Winfield
Albright, Penrose S.

KENTUCKY—17

Berea
Noll, F. H. Waldemar

Bowling Green
Forman, Guy

Covington
Poole, Cyrus A.

Georgetown
Nash, William G.

Lexington
Hahn, T. M.
Koppius, O. T.
Pardue, Louis A.
Snoddy, Leland B.
Warburton, Fred W.
Webb, William S.

Louisville
Bennett, Donald M.
Cleveland, Forrest F.
Loring, Ralph A.
Vance, Bruce B.

Morehead
Black, J. G.

Owensboro
Haller, Cecil E.

Richmond
Hummell, A. D.

LOUISIANA—8

Baton Rouge
Morris, Lloyd W.

New Orleans
Abell, O. L.
Blanchet, Louis A. G.
Cardwell, Alvin B.
Elliott, Daniel S.
Lyon, J. Adair
Mooney, Rose LeD.

Shreveport
Maizlish, I.

MAINE—12

Brunswick
Bartlett, Boyd W.
Little, Noel C.
Welch, George B.

Cumberland Mills
Buckingham, Stephen A.

Lewiston
Whitehorne, William R.
Woodcock, Karl S.

Orono
Bennett, Clarence E.
Crofutt, Charles B.
Fitch, A. L.
Stevens, James S.

Waterville
Stanley, Winthrop H.
Wheeler, N. E.

MARYLAND—41

Aberdeen
Kent, R. H.

Baltimore
Ames, Joseph S.
Andrews, Donald H.
Barton, Vola P.
Bearden, J. A.
Bliss, William J. A.
Clark, Janet H.
Dieke, G. H.
Frehafer, M. Katherine
Goeppert-Mayer, Maria
Herzfeld, Karl F.
Hubbard, J. C.
Huggins, Maurice L.
Hume, William H
Jennings, B.

Baltimore con't.
Jeppesen, C. R.
Kanne, Rudolph
Karrer, Sebastian
Lange, E. H.
Lukens, Charles
Mitchell, H. Rees
Murnaghan, Francis D.
Pfund, A. H.
Price, William C.
Reid, Harry F.
Roseberry, H. Hewell
Sanderson, John A.
Waldorf, Sigmund K.
Weinstein, Alexander
Whitehead, John B.
Wood, R. W.

Bethesda
Brown, F. C.
Taylor, Lauriston S.

Chevy Chase
Brombacher, W. G.
Duncan, Robert C.
Tuckerman, L. B.

Frederick
Underwood, Newton

Howard County
Murray, Robert T. K.

Pikesville
Weber, Mary D.

Takoma Park
Taylor, Paul B.

Washington County
Lee, Richard H.

MASSACHUSETTS—242

Amesbury
Dame, Mabelle C.

Amherst
Alderman, George W.
Green, Warren K.
Mitchell, Paul C.
Powers, W. F.
Ross, William H.
Soller, Theodore
Stifler, W. W.
Thompson, J. O.
Williams, S. R.

Arlington Heights
Lindemann, Howard C.

Belmont
Bush, Vannevar
Slichter, L. B.

Boston
Baird, Hollis S.
Bien, Richard P.
Crout, Willard R.
Forbes, Alexander
Hudson, J. C.
Hyatt, J. M.
Kalmus, Herbert T.
Kent, Norton A.
Liben, Israel
Norton, C. L.
Rines, David
Shurcliff, William A.
Sulkowitch, Hirsh W.
Vinti, John P.
Wilson, Edwin B.

Braintree
Keith, Marcia A.

Brookline
Matz, Charles H.

Cambridge
Adams, C. A.
Albertson, Walter E.
Allen, Harriet W.
Allen, Hubert W.
Allis, William P.
Arnold, Prescott N.
Asset, Gabrielle
Bainbridge, Kenneth T.
Beattie, James A.
Bell, Maurice E.
Bennett, Ralph D.
Benson, Milton L.
Birch, Francis
Bitter, Francis T.
Black, N. Henry
Boden, Robert H.
Bowles, Edward L.
Boyce, Joseph C.
Bradbury, Norris E.
Bridgman, P. W.
Buechner, William W.
Campbell, L. L.
Chaffee, E. Leon
Clark, Harry
Cobine, James D.
Compton, Karl T.
Comstock, D. F.
Coolidge, Albert S.
Cooper, Franklin S.
Crawford, F. H.
Draper, Charles S.
Eastham, Melville
Edgerton, Harold E.
Evans, Richard
Evans, Robley D.
Fay, Charles H.
Feenberg, Eugene
Frank, Nathaniel H.
Furry, Wendell H.
Gingrich, Newell S.
Goodwin, Harry M.
Grabau, Martin
Guillemin, Victor
Hall, Edwin H.
Hall, Harry H.
Hanewitz, Eva A.
Hardy, Arthur C.
Harrison, George R.
Harvey, G. G.
Haseltine, William R.
Haskell, Norman A.
Hebb, Malcolm H.
Heilprin, L. B.
Hickman, Roger W.
Horton, J. Warren
Humphreys, C. J.
Hunsaker, J. C.
Hunt, Frederic V.
Jackson, Dugald C.
James, Hubert M.
Jordan, Edward B. Jr.
Kemble, E. C.
Kennelly, A. E.
Keyes, Frederick G.
Kimball, George E.
Kistiakowsky, G. B.
Knipp, Julian K.
Lamar, Edward S.
Langmuir, David
Langsdorf, Alexander Jr.
Lyman, Theodore
Mann, David W.
Manning, Millard F.
McFarlan, Ronald L.
McKellar, Andrew
Merrill, Dwight P.
Mimno, Harry R.
Moon, Parry H.
Morse, Philip M.
Muller, Hans
Norton, F. H.
Norton, John T.
Nottingham, Wayne B.
O'Bryan, Henry M.
Oldenberg, Otto
Page, Newell C.
Patterson, A. L.
Pekeris, Chaim L.
Phillips, H. B.
Pierce, G. W.
Powell, Wilson M. Jr.
Preston, William M.
Reynolds, Neil B.
Rice, Oscar K.
Richtmyer, Robert D.
Robertson, Randal M.
Robinson, Howard A.
Rudberg, Erik
Samson, Edward W.
Sard, Robert D.
Saunders F. A.
Schaeffer, E. R.
Schneider, Edwin G.
Sharpe, J. A.
Shockley, William B.

Cambridge con't.
Shortley, George H.
Slater, John C.
Smith, Noyes D. Jr.
Smith, Philip T.
Smyth, Harold T.
Steffens, Carsten C.
Sterne, Theodore E.
Stetson, Harlan T.
Stevenson, E. C.
Stockbarger, Donald C.
Stratton, J. A.
Street, J. C.
Tatum, G. R.
Timoshenko, Gregory S.
Trump, John G.
Tuttle, William N.
Vallarta, M. S.
Van de Graaff, R. J.
Van Vleck, J. H.
Warren, Bertram E.
White, Allyn B.
Wilson, E. Bright Jr.
Woodward, Richard H.
Wulff, John

Chestnut Hill
Tatel, Howard
Tobin, John A.

Dorchester
Heins, Harold
Stone, Albert M.

Dover
Taylor, Lucien B.

East Lynn
Blaisdell, B. Edwin

Hatfield
Billings, H. Louisa

Ipswich
Kinsman, Arthur D.

Jamaica Plain
Cowan, Frederick P.

Lawrence
Millman, Jacob

Lynn
Bauer, Paul S.
Chako, Nickola
Pratt, Kenneth H.
Thomson, Elihu

Malden
Norman, Daniel
Perry, Robert W.

Medford
Pote, Frank W.
Smith, Charles G.
Tripp, William A.

Milton
Pearson, Carl A.

Newton
Abbot, L. H.

Newton Centre
Mariner, Thomas

Newton Highlands
Spike, J. Edward Jr.

Newtonville
Evans, Samuel H.

North Adams
Robinson, Preston

Northampton
Anslow, Gladys A.
Cann, Jessie Y.
Dickson, J. B.
Jones, Arthur T.
Koehler, James F.
Mohler, Nora M.
Waterman, Frank A.

Oak Bluffs
Rodgers, S. E.

Pittsfield
Clark, Frank M.

Salem
Bolan, Robert S.
Zabel, Rolland M.

Saugus
Twisden, Harry S.

Somerville
Tousey, Richard

Southbridge
Tillyer, E. D.

South Dartmouth
Houghton, H. G.
Van Atta, C. M.
Van Atta, L. C.

South Hadley
Allen, Mildred
Carr, Emma P.
Chase, Mabel A.
Cohen, Elizabeth
Laird, Elizabeth R.
Rusk, R. D.
Stuecklen, Hildegard

Springfield
Palmer, E. M.

Stoneham
Kleinschmidt, R. V.

Swampscott
Ellis, A. L.

Tufts College
Bacon, George P.
Harrison, J. R.

Waban
Wilson, Lucy

Wakefield
Peterson, Rudolph E.

Watertown
Andrews, Loring B.
Field, Robert F.
Lester, H. H.

Wellesley
Armstrong, Alice H.
Davis, Grace E.
Heyworth, Dorothy
McDowell, Louise S.

Wellesley Farms
Wheelwright, G. W.

Wellesley Hills
Stanley, Arthur B.
Weeks, Paul T.

West Boxford
Nason, Gladys I.

Weston
Brock, Henry M.

West Somerville
Richards, Elizabeth W.

Westwood
Steinberger, R. L.

Williamstown
Brinsmade, J. B.
Glathart, Justin L.
McElfresh, W. E.
Milham, Willis I.
Oster, Robert H.
Richmond, Donald E.
Stabler, H. P.
Winch, Ralph P.

Winchester
Lilienfeld, J. E.

Worcester
Cady, Willoughby M.
Duff, A. Wilmer
Ewell, Arthur W.
Masius, Morton
Roope, P. M.
Sommerman, George M. L.

MICHIGAN—74

Albion
Olthoff, Jacob

Allegan
Hall, Leo G.

Alma
Ditto, R. C.

Ann Arbor
Barker, Ernest F.
Chamberlain, Katherine
Colby, Walter F.
Cork, J. M.
Dennison, David M.
Duffendack, O. Stanley
Ellis, Cecil B.
Firestone, Floyd A.
Geiger, P. H.
Goudsmit, S. A.
Laporte, Otto
Lindsay, George A.
Meyer, Charles F.
Randall, H. M.
Rose, Morris E.
Sawyer, Ralph A.
Sleator, William W.
Smith, Arthur W.
Smith, Robert W.
Thomassen, Lars
Thomson, Kenneth B.
Uhlenbeck, George E.
Vincent, H. B.
Wagner, John F.
Williams, N. H.
Wolfe, Ralph A.
Wright, Norman
Wu, Ta-You

Baroda
Young, Gale

Battle Creek
Field, James E.

Berrien Springs
Thompson, Julian L.

Dearborn
Caris, Darl H.

Detroit
Ambrosia, Sister M.
Andersen, Erik
Baker, Edward B.
Brewington, G. P.
Byerlay, H. R.
Havens, Glenn G.
Hoyt, Howard C.
Hunt, J. H.
Kettering, Charles F.
Martin, Edward J.
Nusbaum, Ralph E.
Phelps, Everett R.
Poetker, Albert H.
Rassweiler, G. M.
Sproull, Wayne T.
Taylor, Philander B.
Voorhees, H. R.
Ward, H. K.

East Lansing
Chamberlain, Clark W.
Hause, C. D.
Kimball, William S.
Morrison, Edwin

Highland Park
Greig, Walter A.

Hillsdale
Penrod, E. B.

Houghton
Partlo, F. L.
Roman, Irwin
Service, Jerry H.

Jackson
Rich, Charles E.

Kalamazoo
Fox, John E.
Hornbeck, John W.
Marburger, Walter G.
Rood, Paul
Tashjian, David R.

Lapeer
Bertsch, Carl V.

Midland
Grebe, John J.
Hanawalt, J. D.
Matheson, Lorne A.
Owens, James S.

Olivet
Hancox, R. R.

MINNESOTA—50

Faribault
Murray, Sister Mary Samuela

Minneapolis
Anderson, Owen W.
Borchardt, Lester F.
Buchta, J. W.
Carlson, Richard E.
Distard, Merril
Erikson, Henry A.
Goodrich, Max
Hanson, Elmo E.
Haxby, Robert O.
Heminway, Allan
Heminway, Gayle S.
Hill, Edward L.
Hustrulid, Andrew
Leidal, Floyd L.
Lind, S. C.
McDonald, John C.
Miller, L. F.
Mitchell, Thomas A.
Nier, A. O. C.
Norgorden, Oscar
Olson, Harold T.
Pepinsky, Raymond
Reyerson, Lloyd H.
Shepherd, William G.
Stenstrom, Wilhelm
Sullivan, R. R.
Sweeny, Ray L.
Tate, John T.
Valasek, Joseph
Vaughan, Alfred L.
Vigness, C. Irwin
Webb, J. S.
Wells, William H.
Wilcox, Hugh B.
Williams, John H.
Zeleny, Anthony

Moorhead
Lee, Konrad O.

Northfield
Fossom, Peter E.
Hetle, Erik
Sawyer, Raymond B.

Red Wing
Jenness, J. R.

Robbinsdale
Hartig, Henry E.

Rochester
Baldes, E. J.
Herrick, Julia F.

St. Joseph
Werth, Sister Magna

St. Paul
Madigan, John A.
Overn, O. B.
Wilson, John L.

St. Peter
Rodine, Milward T.

MISSISSIPPI—6

Blue Mountain
Crawley, Clyde B.

Clinton
Hanson, Alvin W.

Holly Springs
Kropp, Mary Louise

State College
Kinkaid, Walker

University
Kennon, W. L.

Vicksburg
Perret, William R.

MISSOURI—37

Columbia
Dufford, R. T.
Hammond, H. E.
Plum, W. B.
Reese, Herbert M.
Steward, O. M.

Kansas City
Bennett, J. L.
Hayden, Charles K.

Liberty
Davis, John E.

Marshall
Western, Forrest

Maryville
Hake, J. W.

Moberly
Cleeton, Claud E.

Parkville
Rogers, Robert A.

Rolla
Jensen, William J.
Ratliff, R. T.
Woodman, L. E.

St. Charles
Karr, Lois

St. Joseph
Pistorius, Grant L.

St. Louis
Brady, James J.
Bubb, Frank W.
DeFoe, O. K.
Hagenow, Charles F.
Hooper, W. J.
Hughes, A. L.
James, Louis E.
Jauncey, G. E. M.
Kernaghan, Madame Marie
Lawther, Harry P. Jr.
Macelwane, James B.
Poindexter, Franklin E.
Shannon, James I.
Webb, Glenn W.
West, S. Stewart
Whitney, John D.
Williams, Philip S.
Wollan, E. O.
Zimmerman, Lester I.

University City
Smith, Richard E.

MONTANA—6

Bozeman
Copeland, Paul L.
Johnson, Arthur J. M.
Kiefer, James A.

Missoula
Little, Edward M.
Shallenberger, G. D.

Opheim
Lemery, Frances

NEBRASKA—10

Chadron
Philpott, Charles W.

Crete
Johnson, A. L. Jr.

Lincoln
Almy, John E.
Barager, Arnold E.
Jensen, J. C.
Marvin, H. H.
Schilling, Harold K.
Spencer, Roy C.
Smith, T. Townsend

Wayne
Brock, James E.

NEVADA—1

Reno
Hartman, L. W.

NEW HAMPSHIRE—15

Concord
Sears, Frederick E.

Durham
Howes, H. L.
Moran, Clement
Starke, Raymond R.

Exeter
Bartlett, Russell S.
Dimitroff, George Z.
Longacre, Andrew

Hanover
Campbell, C. J.
Dittmer, Arthur F.
Gilbert, Norman E.
Hull, G. F.
Meservey, Arthur B.
Murch, Leslie F.
Proctor, Charles A.
Tanch, Joseph W.

NEW JERSEY—166

Bayonne
Ackerman, D. E.

Bloomfield
Arnott, Edward G. F.
Arnott, Janet MacInnes
Beese, Norman C.
Findlay, John H.
Hazen, Thomas
McCurdy, W. H.
Moran, William G.
Morehouse, W. B.
Nelson, Herbert
Rentschler, Harvey C.
Schmid, Edward R.
Sharp, D. Gordon
Smith, Kenneth O.
Weith, Archie J.
Zinzow, W. A.

Boonton
Ballantine, Stuart
Drake, Frederick H.
Hull, Lewis M.

Camden
Epstein, David W.
Linder, Ernest G.
Olson, Harry F.
Wolff, Irving
Zworykin, V. K.

Clifton
Dobson, George

Closter
Dexter, Joseph H.

Deal
Schelleng, J. C.
Sowers, Nelson E.

East Orange
Aster, A. K.
Heindlhofer, K.
Lorenz, Charles F.
Macalpine, William W.
Mailey, R. D.
Stanwick, Charles A.
Ulrey, Clayton T.
Walton, Albert S.
Ware, Lawrence A.

Glen Ridge
Brainin, Clement S.
Slack, Charles M.

Grantwood
Buttolph, Leroy J.

Hackensack
Frederick, Carl L.

Haddon Heights
Morton, George A.

Harrison
DeVore, Henry B.
Headrick, Lewis B.
Law, R. R.
Nergaard, Leon S.
North, Dwight O.
Power, A. D.
Shackelford, B. E.
Shaw, George R.
Thompson, B. J.

Highland Park
Vieweg, Alice M.

Hoboken
Davis, Harvey N.
Frank, H. C.
Hazeltine, Alan
Hodge, Percy
Kenty, Carl
Stemple, W. M.

Jersey City
Ireland, C. E.
Crotty, Edward M.

Kearny
Bain, Edgar C.
Sosman, Robert S.

Leonia
Morse, Leighton B.
Tschudi, Erwin W.

Long Branch
Zahl, Harold A.

Madison
Harrington, Marshall C.

Mahwah
Grisewood, Edgar N.

Maplewood
Bleick, Willard E.
Lambly, J. E.
Maxfield, J. P.
Pidgeon, Howard A.

Maurer
Traxler, R. N.

Millburn
Nyquist, Harry
Sidney, C. Watson

Montclair
Donnally, L. H.
Lane, C. E.
Weston, Edward

Mountain Lakes
Shewhart, W. A.

Newark
Goodwin, W. N. Jr.
Miller, Henry J.
Ranger, R. H.
Stauss, Henry E.

New Brunswick
Atkinson, Robert d'E.
Greenlees, A. Lloyd
Hill, D. M.
Hoover, Paul L.
Jackson, W. J.
Murray, Allen E.
Pratt, Frank R.
Winchester, George

Ocean City
Bramley, Arthur

Oceanport
Anderson, S. Herbert
Hershberger, W. D.

Orange
Rockwood, G. H. Jr.

Parlin
White, Deane R.

Passaic
Mooney, Melvin
Murray, L. A. Jr.

Plainfield
Douglas, Edward B.

Princeton
Adams, Edwin P.
Bardeen, John
Barnes, R. Bowling
Benedict, William S.
Beth, Richard A.
Bleakney, Walker
Blewett, John P.
Condon, Edward U.
Cooke, H. L.
Einstein, Albert
Elkins, Thomas A.
Firestone, Roger S.
Harnwell, Gaylord P.
Hirschfelder, Joseph O.
Kuper, J. B. Horner
Ladenburg, Rudolph
Magie, W. F.
McMillen, J. Howard
Morris, J. C.
Mueller, Donald W.
Robertson, H. P.
Rosen, Nathan
Russell, Henry N.
Salkover, Meyer
Sampson, Milo B.
Seitz, Frederick Jr.
Shenstone, A. G.
Smyth, Henry D.
Stewart, John Q.
Taylor, Hugh S.
Thomas, Tracy Y.
Turner, Louis A.
Van Voorhis, C. C.
Van Voornis, Stanley N.
Veblen, Oswald
von Neumann, John
Wells, Philip V.
Wigner, E. P.
Willis, C. H.

Rahway
Terrill, Harold M.

Red Bank
Englund, Carl R.

Rutherford
Clokey, A. A.

Short Hills
Miessner, Benjamin F.

Somerville
Francis, Gladys M.

South Orange
Weeks, John R.
Winninghoff, W. J.

Stelton
Porter, David D.

Summit
Day, William S.
Dodd, Dorothy M.
Heising, R. A.
Snook, H. Clyde

Trenton
Blackford, Margaret F.
Rolnick, Harry A.
Troxel, S. M.

Upper Montclair
Chesnut, Roy W.
Glenn, Earl R.
Morrison, Montford

Washington
Schlink, Fred J.
Southworth, Herman M.

Westfield
Becker, A. E.
Gray, Arthur W.
Kinsley, Carl
Rossbacher, H.
Townshend, Bailey
Townshend, Louisa E.

West Orange
Flanders, Paul B.
Siegmund, H. O.

NEW MEXICO—3

Albuquerque
Workman, E. J.

Roswell
Goddard, Robert H.

State College
Gardiner, George W. Jr.

NEW YORK—527

Albany
Hale, C. F.
Power, C. E.
Smith, Letha Ann

Alfred
Potter, Clifford M.

Auburn
Boardman, Leland J.

Aurora
Gaehr, Paul F.

Beacon
Ritchie, A. V.
Roess, Louis C.

Brooklyn
Carroll, Henry
Clo, J. H.
Davidson, W. F.
Duncan, James A.
Fairchild, Charles O.
Fankuchen, I.
Fenn, Irwin H.
Fraim, Parke B.
Fried, Karl H.
Frische, Carl A.
Greibach, E. H.
Hausmann, Erich
Hull, H. L.
Larsen, Thorstein
Mais, Walter H.
McGoldrick, R. T.
Mock, Frank C.
Olshevsky, D. E.
Parker, Allan E.
Pietenpol, C. J.
Rheins, J. J.
Rosenthal, J. E.
Shear, Nathaniel
Shirley, William W.
Skinker, M. F.
Stern, Alexander W.
Stone, S. Bradford
Thompson, C. S.
Thompson, J. E.
Thorndike, Edward M.
Weber, Ernst
Weinrich, M. F.
Wiedeman, Gustave
Willis, H. Hugh

Buffalo
Chylinski, S.
Cutting, Fulton
Dana, Leo I.
Delaney, J. P.
Geib, Irving G.
Hansen, Ralph E.
Hector, L. Grant
Jones, R. N.
Moore, Edward J.
Olmstead, Charles M.
Parker, Selby C.
Schwabe, Louise A.
Silverman, Shirleigh
Stephenson, B. R.

Canajoharie
Berkey, Donald K.

Canton
May, Frederick A.
Smith, John F.

Clinton
Cameron, G. Harvey
Nile, Stephen W.

Corning
Day, Ralph K.
Guyer, Edwin M.
Kiehl, Harry R.
Lewis, Evan J.
Littleton, Jesse T.
McCauley, George V.

Fredonia
Horlacher, A. F.

Garrison
Cattell, Ware

Geneva
Haussmann, Alfred C.

Hamburg
Sharp, Donald E.

Hamilton
Gleason, Paul R.
Pearsall, Anna W.
Wetzel, W. W.

Hastings-on-Hudson
Engle, Edgar W.
Schneider, Walter

Ithaca
Bancroft, Wilder D.
Barnes, LeRoy L.
Bedell, F.
Bethe, Hans A.
Boothroyd, S. L.
Collins, J. R.
Crittenden, Eugene C. Jr.
Cuykendall, Trevor
Fogelsanger, Aldus
Gartlein, Carl W.
Gibbs, R. Clifton
Gilbert, William P.
Grantham, G. E.
Hirsh, Frederick R. Jr.
Howe, Harley
Jones, Matthew T.
Karapetoff, Vladimir
Kennard, E. H.
Livingston, M. Stanley
Malter, Louis
Mann, E. R.
Manning, Kenneth V.
Marchant, John H.
Merritt, Ernest
Meschter, Emery
Mueller, George J.
Murdock, Carleton C.
Nichols, Edward L.
Parratt, Lyman G.
Ramberg, Edward G.
Richard, Lorenzo A.
Richtmyer, F. K.
Ruedy, John E.
Sabine, George B.
Schoepfle, George K.
Scott, George W. Jr.
Shaw, R. William
Smith, Lloyd P.
Teeple, John H.

Ithaca con't.
Trawick, M. Whitford
Walker, Marshall
Weekes, Donald F.
Wilber, David T.
Williams, Robley C.
Witters, Juanita
Wood, Lawrence A.

Long Island
Bassett, Preston R.
Bergen, Catharine M.
Cassen, Benedict
Curtis, Howard J.
Daniel, Arthur F.
David, John A.
Efron, Alexander
Feild, Alex L.
Ferry, Ervin S.
Fricke, Hugo
Hickman, C. N.
Lewis, Harold M.
Mertz, P.
Tear, James D.
Valente, Frank

New York
Abramson, H. A.
Ahearn, A. J.
Anderson, Warren F.
Bacher, Robert F.
Bacon, Ralph H.
Balamuth, Lewis
Ball, Albert
Barnes, Arthur H.
Barnes, Ralph W.
Baron, Baronig
Barton, Henry A.
Batchelor, John C.
Becker, Joseph A.
Bell, Dorothea Lyford
Beller, William C.
Biscoe, Jonathan
Black, K. Charlton
Blackman, Ralph B.
Blackwell, Otto B.
Blanchard, Kenneth C.
Boeker, Gilbert F.
Boggs, Emily H.
Bond, Walter L.
Boorse, Henry A.
Bozorth, Richard M.
Brattain, Walter H.
Brown, Louis F.
Brown, M. Vertner
Brown, Weldon G.
Brown, William F. Jr.
Buckley, Oliver E.
Buggeln, Gertrude
Burnham, George H.
Byrne, John F.
Calbick, Chester J.
Callihan, Dixon
Campbell, G. A.
Carter, Charles W. Jr.
Chase, Carl T.
Cioffi, Paul P.
Coates, Wesley M.
Cole, Kenneth S.
Collins, T. R. D.
Colpitts, E. H.
Cooley, J. P.
Corcoran, Charles A.
Corey, Robert B.
Cortell, Robert
Cox, Richard T.
Crew, William H.
Darrow, Karl K.
Davis, Bergen
Davisson, Clinton J.
Demarest, Charles S.
Dillinger, Joy F.
Doermann, Frederick W.
Dropkin, John
Dudley, Homer W.
Dunn, H. K.
Dunning, J. R.
Echols, Robert L.
Eglin, James M.
Ellwood, W. B.
Ely, Hiram B.
Estey, Roger S.
Ewing, Hampton D.
Exner, Frank M.
Failla, Gioachhino
Farwell, H. W.
Ferguson, W. F. C.
Fink, George A.
Fletcher, Harvey
Foote, Frank G.
Fox, Marvin
Fox, William
Frederick, H. A.
Free, E. E.
Fry, Thornton C.
Galt, Rogers H.
Garth, Robert C.
Germer, L. H.
Gernsback, Hugo
Giarratana, Joseph
Gilbert, John J.
Glasoe, G. Norris
Golden, Asher
Goldsmith, Alfred N.
Goldsmith, Hyman H.
Gorton, William S.
Goucher, Frederick S.
Granath, Louis P.
Grant, R. E.
Gray, Frank
Gray, Newton M.
Green, Edward H.
Guthrie, A. N.
Hall, Harvey
Halpern, Otto
Hardy, J. D.
Hardy, Truly C.
Harness, George T.
Hartley, Ralph V. L.
Hartman, Charles D.
Havighurst, R. J.
Hawkes, John B.
Haworth, Francis E.
Hayner, Lucy J.
Heller, Gabriel
Hepburn, Ann B.
Hering, D. W.
Herrington, H. W.
Hilberry, Norman
Hitchcock, W. J.
Hoffman, Samuel V.
Hogg, John L.
Hooker, E. H.
Horton, A. W. Jr.
Hunt, Franklin L.
Ingram, Sydney B.
Ives, Herbert E.
Jameson, M. F.
Jaycox, Edwin K.
Jensen, Axel G.
Jewett, Frank B.
Joffe, Joseph
Johnson, John B.
Johnson, M. H. Jr.
Johnsrud, A. L.
Johnston, Helen
Jones, Philip C.
Jones, Reginald L.
Kanolt, C. W.
Karelitz, George B.
Keller, Arthur C.
Kellogg, J. M. B.
Kelly, M. J.
Kendall, B. W.
Kern, Emerson W.
Kilmer, Theron W. Jr.
King, Robert W.
Kingsbury, Burton A.
Kingsbury, E. F.
Kirk, Edward B.
Kirkpatrick, D. Everette
Kotterman, Chester A.
Kurrelmeyer, Bernhard
Lack, Frederick R.
Langer, Lawrence M.
Langford, Grace
Lawley, Raymond
Legg, Victor E.
Liebowitz, Benjamin
Llewellyn, Fred B.
Lockrow, L. L.
Long, M. B.
Lowen, Irving S.
Lynch, J. Joseph
Lynch, William A.
Lynde, Carleton J.
MacColl, L. A.
MacInnes, D. A.
Mackay, G. M. J.
MacKenzie, Donald
MacNair, Walter A.
Maltby, Margaret E.
Manley, John H.
Mann, Hubert
Marcus, Alexander
Marrison, Warren A.
Mason, Max
Mason, Warren P.
Mathes, Robert C.
Mendenhall, H. E.

New York con't.
Mercia, Paul D.
Messenger, Helen A.
Millar, Preston S.
Millman, Sidney
Mills, John
Mintz, Esther U.
Mitchell, Allan C. G.
Mitchell, Dana P.
Mitchell, Madeline M.
Mohr, Franklin
Morgan, J. Livingston R.
Morris, Melvin M.
Muller, Ralph H.
Murphy, Edgar J.
Murphy, Edward J.
Murphy, G. M.
Myers, Frank E.
Nicolson, Alexander M.
Nix, Foster C.
Norton, E. L.
Null, F. E.
O'Leary, Austin J.
Olmstead, P. S.
Osborne, Harold S.
Otis, Herbert N.
Otten, Henry
Palmer, Herbert H.
Parr, Harry L.
Parson, R. V.
Pearson, Gerald L.
Pegram, George B.
Pestrecov, K.
Peterson, Eugene
Polin, H. S.
Pooler, Louis G.
Pope, Thomas J.
Potter, Robert D.
Prescott, C. H. Jr.
Proskauer, Richard
Quarles, D. A.
Quimby, Edith H.
Quimby, Shirely L.
Rabi, I. I.
Randall, Robert H.
Read, Harry S.
Reber, Rufus K.
Reynolds, F. W.
Riesz, Robert R.
Romig, Harry G.
Rose, Fred C.
Rose, John L.
Rosenberg, Paul
Rosin, Seymour
St. John, Ancel
Salant, Edward O.
Samuel, A. L.
Sandow, Alexander
Schlenker, Vesper A.
Schuh, Arthur E.
Schwarzschild, Myron M.
Sears, Raymond W.
Semat, H.
Severinghaus, Frances O.
Severinghaus, W. L.
Shackleton, S. P.
Shea, John D.
Sheldon, H. H.
Shore, H.
Siegel, Sidney L.
Sinclair, David
Sivian, L. J.
Skellett, A. Melvin
Skinner, Selby M.
Smith, Herschel
Sonkin, Simon
Southall, James P. C.
Southworth, G. C.
Steinberg, John C.
Stone, C. G. Jr.
Swan, Clifford M.
Swenson, Hugo
Talmey, Paul
Taylor, E. Gordon
Thompson, Albert C.
Thompson, Harry C.
Townsend, Agnes
Treleaven, Clifford L.
Trueblood, H. M.
Truesdell, W. B.
Turner, Alva
Urey, Harold C.
Van Nuys, Claude C.
von Nardroff, Ernest R.
von Nardroff, Robert
Vreeland, Frederick K.
Walsh, Robert J. Jr.
Walther, Henry
Waterman, Frank N.
Webb, Harold W.
Wegel, R. L.
Wehe, Herman G.
Weil, George L.
Weinhart, Howard W.
Welo, Edna M.
Welo, Lars A.
Wente, E. C.
West, William
Wetzel, R. A.
Whitaker, M. D.
Willard, Gerald W.
Williams, Clarke
Williams, H. B.
Wills, A. P.
Wilson, R. H.
Wilson, William
Wolfe, Hugh C.
Woodbridge, Donald B.
Woodcock, W. W. Jr.
Woodmansee, Buryl S.
Wyckoff, Ralph W. G.
Zacharias, Jerrold
Zemansky, Mark W.
Zinn, W. H.
Zobel, O. J.

Oleon
Nickol, John P.

Pearl River
Baker, Carl I.

Pelham
Cooke, William T.

Potsdam
Bair, W. H.

Poughkeepsie
Carter, Edna
Flowers, A. E.
Gray, G. Francis
Healea, Monica
Northrop, Paul A.
Wheeler, Mary A.
Wick, Frances G.

Rochester
Barnes, S. W.
Bishop, F. M.
Blair, Henry A.
Campbell, J. S.
Clark, Herbert A.
DuBridge, Lee A.
Fairbanks, Floyd C.
Glover, Alan M.
Hill, Albert G.
Hoffmann, Banesh
Hodgson, M. B.
Hubbard, Karl H.
Jones, Loyd A.
King, Allen L.
Lawrence, Henry E.
Lyle, George A.
Mann, Marvin M. Jr.
Mannes, L. D.
McLeod, J. H.
Mees, C. E. K.
Noyes, Bradford Jr.
O'Brien, Brian
Packer, Donald M.
Roy, Angus S.
St. Helens, Hervey J.
Seemann, Herman F.
Smith, Scott W.
Steadman, Luville T.
Strain, Charles V.
Wilkins, T. Russell
Wilsey, Rex B.
Young, William M.

St. Bonaventure
Sullivan, Francis J.

Saranac Lake
Lewis, Charlton M.

Saratoga Springs
Robbie, J. R.

Scarsdale
Fearing, Justin L.
Weaver, Warren

Schenectady
Blodgett, Katharine
Clark, John D.
Coolidge, William D.
Dushman, Saul
Elder, Frank R.
Found, Clifton G.
Grover, Frederick W.
Haskins, Caryl P.

Schenectady con't.
Hewlett, Clarence W.
Hull, Albert W.
Kimball, A. L.
Kingdon, Kenneth H.
Koller, Lewis R.
Langmuir, Irving
Luhr, Overton
Race, Hubert H.
Rice, Chester W.
Rojansky, V.
Sixtus, Klaus J.
Smith, James J.
Studer, Frank J.
Suits, Chauncey G.
Taylor, J. B.
Taylor, John Bellamy
Thatcher, Everett W.
Tonks, Lewi
Whitney, W. R.
Wold, P. I.

Spring Valley
Wood, C. T.

Syracuse
Brightman, Charles L.
Fazel, Charles S.
Frederickson, W. R.
Porter, R. A.
Randall, D. P.
Steates, E. Francis

Tarrytown
Case, Leslie V.

Troy
Carragan, G. Howard
Lozier, W. Wallace
Moore, K. H.
Patterson, Robert A.
Wilbur, Donald A.

Tuxedo Park
Hobart, Garret A. 3rd
Loomis, Alfred L.

Watertown
Sillcox, Lewis K.

White Plains
Sharp, Clayton H.

Yonkers
Torrey, Henry C.

NORTH CAROLINA—22

Black Mountain
Dreier, Theodore

Chapel Hill
Fussler, Karl H.
Plyler, Earle K.
Ruark, Arthur E.
Ruark, Grace H.
Stuhlman, Otto Jr.

Charlotte
Olpin, A. Ray

Durham
Constant, F. Woodbridge
Edwards, Charles W.
Gross, Paul M.
Hatley, Charles C.
Mouzon, J. C.
Nielsen, Walter M.

Greensboro
Tiedeman, John C.
Warfield, C. N.

Guilford College
Purdom, Emil G.

Hickory
Morgan, Karl Z.

Raleigh
Derieux, J. B.
Dixon, A. A.
Heck, Charles M.

Salisbury
Braun, Milton L.

Wake Forest
Speas, William E.

NORTH DAKOTA—3

Grand Forks
Byers, Cecil W.

Minot
Taylor, Paul K.

Valley City
Soroos, Adolf

OHIO—141

Akron
Bartoe, Willard F.
Blaker, Ernest
Busse, Warren F.
Davies, John M.
Dietrich, E. O.
Dillon, John H.
Evans, Rhys D.
Fouts, Omer R.
Gehman, Samuel D.
Householder, Frederick F.
Karrer, Enoch
Kuethe, A. M.
Larrick, Lewis
Lessig, Edward T.
Liska, John W.
Miller, K. J.
Shephard, Norman A.
Te Grotenhuis, Theodore A.

Alliance
Shollenberger, Forest

Athens
Atkinson, A. A.

Berea
Unnewehr, E. C.

Chillicothe
Lewis, Lester C.

Cincinnati
Alexander, Lowell M.
Allen, Samuel J. M.
Dwight, C. H.
Ecker, H.
Flarsheim, E. S.
Gowdy, Robert C.
Kock, Winston E.
Lehnoff, Raymond
Loofbourow, John R.
More, Louis T.

Cleveland
Adams, Elliot Q.
Albright, John G.
Balas, Michael
Barnes, B. T.
Bennington, Paul W.
Binkley, Elmer R.
Bowditch, F. T.
Boyd, Robert A.
Crehore, Albert C.
Easley, Adelaide
Erf, Herbert A.
Forsythe, William E.
Glasser, Otto
Hinman, Donald D.
Hodgman, Charles D.
Jeffries, Zay
Jones, Shannon
Luckiesh, M.
Miller, Dayton C.
Montgomery, L. D.
Mountcastle, Harry W.
Nusbaum, C.
Owens, Ralph G.
Poppy, Willard J.

Cleveland con't.
Poritsky, Abraham
Santos, Anthony S.
Sawyer, Charles B.
Shear, Sidney K.
Spencer, Charles D.
Van Horn, Irving H.
Vollmayer, Leo
Wallace, Clarence W.
Wenger, W. Emerson
White, Herbert E.
Wiggers, C. J.

Columbus
Bennett, Willard H.
Blake, F. C.
Bryan, Arthur L.
Gillett, H W.
Green, Jerome B.
Heil, H. G.
Hesthal, Cedric E.
Irion, Clarence E.
Johnston, Herrick L.
Knauss, Harold P.
Landé, Alfred
Lucks, Charles F.
Mack, Edward Jr.
Meara, F. L.
Nelson, H. R.
Nielsen, H. H.
Pool, M. L.
Russell, H. W.
Shearin, Paul E.
Smith, Alpheus W.
Smith, Alva W.
Steele, Paul J.
Steward, Wendell B.
Thomas, Llewellyn H.
Whitmer, Charles A.
Zumstein, R. V.

Cortland
Wanamaker, J. H.

Croton
Aitchison, John M.

Cuyahoga Falls
Johnston, Norris

Dayton
Burka, Samuel M.
Goldberg, M. M.
Koch, Wendell R.
Phillips, Marcella L.

Delaware
Jarvis, Charles W.
Woodbury, D. A.

Findlay
Roots, Yale K.

Gambier
Johnson, Elbe H.

Granville
Smith, Leon E.

Hamilton
Munro, George C.

Hiram
Dooley, Donald
Pritchard, Howard A.

Kent
Coven, A. W.

Lakewood
Allaman, Haidee H.

Marietta
Ginsburg, Nathan
Phillips, T. D.

Middletown
Gundersen, Daniel T.

Newark
Plummer, J. H.

New Concord
Martin, Paul E.

Oberlin
Howe, Carl E.
Taylor, L. W.
Tucker, F. G.

Oxford
Boydston, R. W.
Edwards, Ray L.

Painesville
Moore, Howard R.

Rocky River
Tindal, Charles H.

Steubenville
Homan, John G.

Tiffin
Stinchcomb, G. A.

Toledo
Bichowsky, F. R.
Davis, Ardith P.
Hopfield, Helen S.
Hopfield, John J.
Lorenz, Edward J.
Osgood, Thomas H.

Tremont City
Gard, Orin P.

Westerville
Bundy, Francis P.

Wilmington
Pyle, William R.

Wooster
Westhafer, William R.

Yellow Springs
Albers, Vernon M.
Fuller, Frederic E.
Knorr, H. V.
Owen, Gwilym E.

Youngstown
Brandt, Weldon H.
Foard, Castle W.
Goss, Norman P.

Zanesville
Brown, Townsend

OKLAHOMA—30

Enid
Hartley, Alice
Knowles, Frank E.
Reeves, Russell

Guthrie
O'Donnell, T. J.
Richert, B. E.

Lawton
Roth, Herman M.

Norman
Crawford, F. W.
Dodge, Homer L.
Nielsen, J. Rud
Roller, Duane
Roys, Harvey C.
Schriever, William
Van Lear, G. A. Jr.
Zenor, Hughes M.

Oklahoma City
Evans, Julian F.
Janco, Nathan
Woodward, Carl S.

Ponca City
McCollum, Elton V.

Seminole
Thornton, Vernon

Stillwater
Harris, Sidon

Tonkawa
Webb, Wayne

Tulsa
Bryan, A. B.
Faust, Lawrence Y.
Gardner, Louis W.
Goble, A. T.
Lester, O. C. Jr.
Owen, John E.
Waddell, Senn
Weatherby, B. B.
Wolf, Alfred

OREGON—8

Corvallis
Anderson, William B.
Boynton, W. P.
Weniger, W.

Eugene
Caswell, A. E.
Norris, Will V.

LaGrand
Badgley, Ralph E.

Portland
Knowlton, A. A.
O'Day, Marcus

PENNSYLVANIA—229

Albion
Koehler, Wilbert, F.

Allentown
Knauss, Homer C.
Reichard, Herbert H.
Zartman, I. F.

Altoona
Haverstick, Earl J.

Annville
Grimm, Samuel O.

Ardmore
Roberts, O. L.
Weber, Alfred H.

Belleville
Hartzler, H. Harold

Bethelehem
Bayley, Paul L.
Berger, Charles E.
Bidwell, Charles C.
Carwile, Preston B.
Craig, Palmer H.
Crary, Albert P.
Ewing, Maurice
Frey, Austin R.
Hoyler, Cyril N.
Larkin, Charles R.
Petersen, Max H.
Snavely, Benjamin L.

Brookline
Rosengarten, George

Bryn Mawr
deLaguna, Wallace
Dewey, Jane
Michels, Walter C.
Raines, Barbara

Bucks County
Clark, Bertha M.

California
Cunningham, W. P.

Carlisle
Parlin, Wellington A.

Chambersburg
Weeks, Dorothy W.

Chester
Pike, Eugene W.

Collegeville
Klingaman, Foster E.
Mauchly, John W.

Dalton
Radle, William

Devon
Duane, William

Easton
Balderston, Mark
Bingham, Eugene C.
Gordon, C. McCheyne
King, Ronold W. P.
McQuarrie, W. C.

Emporium
Bowie, Robert M.
Dehlinger, Walter H.
Fraenckel, Victor H.
Kievit, Ben Jr.

Erie
Croup, Alfred H.
Krack, Elmer J.

Gettysburg
Miller, George R.

Haverford
Palmer, Frederic
Sutton, Richard M.

Jenkintown
Gilroy, Helen T.

Johnstown
Trytten, M. H.

Lancaster
Bennett, William O. Jr.
Charles, Rollin L.
Fry, Howard M.
Luckey, George P.
Wenrich, Calvin N.

Lansdowne
Duncan, Ralph W.

Latrobe
Brinker, Bernard L.

Lewisburg
Lowry, W. N.
Simpson, F. M.

Meadville
Ufford, C. W.

Mechanicsburg
Strong, W. W.

Merion
Cottrell, Casper L.

New Wilmington
Moorhead, John G.
Swindler, James A.

Northampton
Solt, Irvin H.

Palmerton
Smith, Albert
Stutz, George F. A. Jr.
Waring, Robert K.

Philadelphia
Allen, Alexander J.
Baldwin, William Jr.
Banca, M. C.
Barker, Harold C.
Barnes, James
Bazzoni, Charles B.
Biddle, James G.
Bloomenthal, Sidney
Bohn, J. Lloyd
Boyer, Robert L.
Brainerd, J. Grist
Bronk, D. W.
Chambers, Carl C.
Chaney, N. K.
Cope, Thomas D.
Cornog, I. Clyde
Dike, Paul H.
Donal, John S. Jr.
Fleisher, Willis Jr.
Fulweiler, Walter H.
Goodspeed, Arthur W.
Harkins, M. R.
Harrison, T. R.
Hergenrother, Rudolf C.
Ives, Frederick E.
Kabakjian, D. H.
Kern, James W.
Lay, John T.
Leeds, M. E.

Philadelphia con't.
McDonald, Ellice
Melcher, John C.
Morgan, Raymond
Nutting, Floyd L.
Pearson, J. M.
Pender, Harold
Peters, Jacob C. Jr.
Razek, Joseph
Redding, C. S.
Richards, Horace C.
Rodman, Jessie A.
Schecter, Harry
Shih-Chang, Chen
Shrader, James E.
Smith, George A.
Smith, Russell P.
Stein, I. Melville
Summers, R. D.
Tappert, John G.
Thwing, Charles B.
Waldie, Alma T.
Weatherwax, James L.
Williams, A. J. Jr.
Witmer, Enos E.

Pittsburgh
Arnquist, W. N.
Bahls, W. E.
Bailey, Lothrop H.
Ballard, James W.
Barrett, Charles S.
Bishop, F. L.
Blackwood, Oswald
Boreman, Robert W.
Burgwin, Stephen L.
Burns, Keivin
Butler, Mark D.
Case, Samuel L.
Chubb, L. W.
Dysart, Paul M.
Eckhardt, E. A.
Estermann, Immanuel
Foote, Paul D.
Greenslade, G. R.
Hammer, Sigmund I.
Hill, Charles F.
Hower, H. S.
Hoyt, Archer
Hutchisson, Elmer
Inglis, David R.
Kassel, Louis S.
Kinter, S. M.
Knowles, Dewey D.
Lamb, George B.
Lewis, Bernard
Loomis, Metta C.
Mortlock, Frank O.
Muskat, Morris
Nathanson, J. B.
Nettleton, L. L.
Oplinger, Kirk A.
Perkins, Beauregard Jr.
Peters, Leo J.
Plesset, Milton S.
Prine, Charles W.
Pugh, Emerson M.
Ritzmann, Otto F.
St. Peter, W. N.
Sidhu, Surain S.
Slepian, Joseph J.
Smede, Lloyd
Smith, William O.
Stern, Otto
Taylerson, E. S.
Thomas, Phillips
Thornburg, Vincent E.
Toepfer, A. H.
Ulrey, Dayton L.
Walters, Francis M.
Wilson, Thomas A.
Worthing, A. G.
Wyckoff, R. D.
Yensen, Trygve D.
Young, Lloyd A.

Reading
Knapper, Joseph S.

Selinsgrove
Ovrebo, Paul J.

Simpson
Tarris, Demetrius

State College
Bordner, Earl R.
Davey, Wheeler P.
Duncan, David C.
Ham, William R.
LeGalley, Donald P.
Owens, F. W.
Pielemeier, W. H.
Rank, D. H.
Saxton, Harold L.
Scott, Merit
Shetler, W. Lewis
Smith, F. Raymond
White, Marsh W.
Yeagley, Henry L.

Swarthmore
Danforth, W. E. Jr.
Garrett, Milan W.
Haines, C. Lawrence
Hoadley, George A.
Johnson, Thomas H.
Locher, Gordon L.
Montgomery, Carol G.
Read, Donald N.
Swann, W. F. G.
Wright, Winthrop R.

Swissvale
Grondahl, L. O.
Gross, Joseph E.

Upper Darby
Hoyt, John E.
Huff, Thomas E.
Wehr, M. R.

Washington
Munce, R. J. Jr.
Taylor, T. Smith

West Chester
McCorkle, Paul

Wilkes-Barre
Hall, V. B.

Wilkinsburg
Berkey, William E.
Bourland, L. T.
Dowling, Philip H.
Kozanowski, Henry N.
Lowry, E. F.
Marshall, Donald E.
Mason, R. C.
Mouromseff, I. E.
Schad, Lloyd W.
Skinner, C. E.
Spooner, Thomas
Sutherlin, Lee
Swartz, Charles A.

Wyomissing
Gerhard, Sherman L.

RHODE ISLAND—19

Kingston
Coggins, C. L.
Randolph, James R.

Newport
Eppley, Marion
Greenlaw, Frank M.

Providence
Andrews, Howard L.
Barus, Carl
Donley, Hugh L.
Farnsworth, H. E.
Focke, Alfred B.
Hersey, Mayo D.
Kraus, Charles A.
Lindsay, R. B.
Miller, Carl W.
Noyes, WilliamA. Jr.
Quirk, Arthur L.
Rose, Bernhard A.
Saxl, Irving J.
White, Frederick E.

West Warwick
Brant, Laura

SOUTH CAROLINA—7

Charleston
Smith, N. F.

Clemson College
Godfrey, William E.
Huff, L. D.

Clinton
Cooke, F. W.

Columbia
Coleman, J. B.
Mercer, Charles F.

Seneca
Hendricks, Jesse C.

SOUTH DAKOTA—3

Brookings
Fagan, H. D.

Sioux Falls
Hoyem, Albert G.

Vermillion
Jordan, Walter H.

TENNESSEE—11

Chattanooga
Benson, James M.
Cornelius, D. W.

Cookeville
Hutchinson, R. O.

Harrogate
Miley, H. Artis

Knoxville
Hertel, K. L.

Madison
Hansen, Nis Jr.

Memphis
Rhodes, Peyton N.

Nashville
Fountain, C. R.
Rudnick, Philip
Slack, Francis G.

Sewanee
Petry, Robert L.

TEXAS—53

Abilene
Olsen, Julius

Amarillo
Boone, E. Milton
Burnett, Mrs. Earle S.

Austin
Boner, Charles P.
Brown, S. Leroy
Colby, Malcolm Y.
Kuehne, John M.
Lockenvitz, Arthur E.
Mather, William T.
Romberg, Arnold

Beaumont
Ellis, L. G.

College Station
Silvey, O. W.

Dallas
Karcher, J. C.
McDermott, Eugene
McDonald, Frank C.

El Paso
de Quevedo, Francis G.
Durkee, P. Whitfield
Knapp, E. J.

Fort Worth
Gaines, Newton

Houston
Banta, H. Eugene
Blau, L. W.
Evjen, H. M.
Hartley, Kenneth
Heaps, C. W.
Howell, Lynn G.
Hurst, William
Kannenstine, Fabian
Mott-Smith, Lewis M.
Muzzey, David S. Jr.
Neuman, Leonard J.
Osterhoudt, Walter J.
Peacock, H. B.
Pennington, John V.
Ricker, Norman H.
Ritzau, Kurt F.
Rosaire, Esme E.
Rust, W. H. Jr.
Sawyer, J. H. Jr.
Scott, F. A.
Statham, Louis
Taylor, Josiah
Wilson, H. A.
Wolf, Alexander

Kerrville
Hammond, Thomas M.

Lubbock
Abbitt, William H.
George, E. F.
Hill, Harry
Schmidt, C. C.

Palestine
Romberg, Frederick

San Antonia
O'Byrne, Sister Michael E.
Paulin, Eugene A.

Waco
Spencer, S. R.

Waxahachie
Kennedy, W. Jay

UTAH—10

Blanding
Beers, Lowell C.

Logan
Gardner, Willard
Linford, Leon B.
West, Frank L.

Provo
Eyring, Carl F.
Marshall, Milton

Salina
Applegate, Lindsay M.

Salt Lake City
Parmley, Thomas J.
Plumb, Hylon T.
Tugman, Orin

VERMONT—70

Bennington
Garrett, Paul H.

Burlington
Holmes, R. M.
Woodward, L. A.

Middlebury
Bryant, Ernest C.
Wissler, Bengamin F.

Northfield
Howes, Douglas E.

Saxtons River
Trauger, D. Oscar

VIRGINIA—40

Ashland
Keeble, W. H.

Blacksburg
Baldock, Russell
Lee, Claudius
Robeson, F. L.

Charlottesville
Beams, J. W.
Blazer, Selma H.
Bradley, Charles D.
Brown, Frederick L.
Brown, W. Byron
Chiles, James A.
Cope, Joseph H.
Ham, William T. Jr.
Holmes, F. T.
Hoxton, L. G.
Sparrow, C. M.
Trotter, Herbert Jr.
Williams, Francis D.

Cherrydale
Brown, T. B.

Clifton Forge
Hootman, James A.

Dahlgren
Riffolt, Nils
Thompson, Louis

East Falls Church
Castleman, R. A. Jr.

Ettrick
Hunter, J. McN.

Hampton
Brevoort, Maurice J.
Kaplan, Carl
Pinkerton, Robert M.
Seidman, Oscar
von Doenhoff, Albert E.

Hollins
Blake, Sue Avis
Farnsworth, Goldena

Lexington
Heflin, S. M.

Lynchburg
Boggs, Isabel
Kilby, Clinton M.

Petersburg
Davis, John W.

Richmond
Albright, C. Leonard
Chappell, R. R.
Loving, R. E.

Sweetbriar
Edwards, Preston H.

Williamsburg
Merrymon, Wm. Walter
Young, R. C.

WASHINGTON—27

College Place
Kretschmar, George G.

Lacey
Rozycki, Henry J.

Pullman
Stephenson, S. Town

Seattle
Abbott, F. R.
Barkas, Walter A.
Brakel, Henry L.
Dahlstrom, R. K.
Henderson, Joseph E.
Kennedy, Roy J.
Kenworthy, Ray W.
Killian, Thomas J.
Klein, William S.
Loughridge, Donald W.
Magnusson, C. E.
Osborn, Frederick A.
Rose, John E.
Rubens, Sidney M.
Sanderman, L. A.
Scott, James C.
Sieg, L. P.
Skramstad, Harold K.
Soltau, David L.
Utterback, Clinton L.
Williams, E. Allan
Wyckoff, Harold O.

Walla Walla
Parsons, L. A.

Winslow
Gideon, Edith

WEST VIRGINIA—8

Barboursville
Roller, P. E.

Gauley Bridge
Carpenter, Otis R.

Montgomery
Raub, Leo G.

Morgantown
Colwell, Robert C.
Ford, O. Rex
Forman, Alexander H.
Molby, Fred A.

South Charleston
Hosterman, Ralph C.

WISCONSIN—59

Appleton
Davis, Myrl N.
Malmstrom, Homer E.
Millis, John S.
Roehr, Walter W.
Van den Akker, Johannes A.

Baraboo
Rinkob, Severn

LaCrosse
Spangler, Ross D.

Madison
Anderson, Elda E.
Bennett, Edward
Betz, J. C.
Breit, G.

Madison con't.
Cram, Winston
Haworth, L. J.
Herb, Raymond G.
Heydenburg, N. P.
Hole, Winston L.
Hollaender, Alexander
Ingersoll, Leonard R.
Jordahl, Olaf M.
Krasno, M. R.
Mack, Julian E.
Maxfield, Frederick A.
Mendenhall, C. E.
Merrill, Robert A.
Norris, R. F.
Ostrofsky, M.
Piore, E. R.
Roebuck, John R.
Rollefson, Aimar H.
Rollefson, Ragnar
Sears, George R.
Stebbins, Joel
Steve, William F.
Wahlin, Hugo B.
Whitelaw, Neill
Whitney, Lester V.
Williams, J. W.
Winans, John G.
Yost, F. Lorraine
Zahn, Charles T.

Milwaukee
Barkow, Arthur G.
Carroll, Joseph F.
Douglas, J. F. H.
Friauf, James B.
Martin, Miles J.
Patterson, Chalmer N.
Rouse, T. A.
Skinner, Charles H.
Stoekle, E. R.
Thomas, Doris J.
Warner, Eugene E.
Williams, Morgan L.

Oshkosh
Clemans, Earl A.
Duncan, James F.

Ripon
Barber, W. H.

River Falls
Jacobson, J. P.

Superior
Schrieber, E. H.

West De Pere
DeCleeene, L. A. V.

Williams Bay
Moffitt, G. W.

WYOMING—3

Laramie
Bellamy, B. C.
Cinnamon, Carl A.
Hammond, Philo F.

CANADA—45

Archibald, D. C.
Barnes, H. T.
Boyle, R. W.
Bronson, Howard L.
Cartmel, William B.
Chant, Clarence A.
Davidson, James G.
Dawes, H. Franklin
Durnford, A. M. I. A. W.
Eve, A. S.
Foster, J. S.
Foster, Willena
Froman, Darol K.
Gilchrist, L.
Grace, Norman S.
Gray, J. A.
Harkness, Harold W.
Harrington, E. L.
Hebb, T. C.
Hennings, A. E.
Hepburn, Dugald
Johnstone, J. H. L.
Keys, David A.
King, Louis V.
Lang, R. J.
Lehrman, S.
MacGregor, Donald G.
Mackenzie, A. Stanley
McClung, R. K.
McLay, A. B.
McTaggart, Henry A.
Miller, A. H.
Nicholson, P. J.
Nickerson, John L.
Rickwood, Gerald E.
Robertson, Norman S.
Rose, D. C.
Ruedy, Richard
Shaw, A. Norman
Shrum, G. M.
Smith, H. Grayson
Stevenson, A. F. C.
Thomson, Andrew
Watson, William H.
Young, J. F. T.

AFRICA—3

Bowen, Francis H.
Naudé, S. M.
van der Bijl, H. J.

AUSTRALIA—1

Johnson, R. C.

AUSTRIA—2

Benndorf, Hans
Hess, Victor F.

CANAL ZONE—1

Swanson, J. Chester

CHINA—17

Chang, Z. T.
Chao, S. H.
Cheng, Yee Fung
Chow, Tung-Ching
Chu, Chih T.
Hsieh, Y. M.
Hu, Kang-Fuh
Jen, Chih K.
Knipp, A. R.
Ku, Zing Whai
Kwei, C. T.
Lee, John Y.
Li, Ching Hsien
Supao, Ting
Tu, Yuching
Wang, Shou Chin
Wu, Violet

DENMARK—3

Bohr, Niels
Franck, James
Wheeler, John A.

DUTCH EAST INDIES—1

Villars, D. S.

FRANCE—7

Canac, Francois
de Broglie, Maurice le Duc
Dejardin, Georges
du Nouy, Pierre Lecomte
Parodi, H.
Ricard, R.
Tiedt[illegible] W. E.

GERMANY—11

Bungartz, Everhard
Cartwright, C. Hawley
Eckstein, Ludwig
Eucken, Arnold
Ewald, P. O.
Finkelnburg, Wolfgang
Krefft, H. E.
Planck, Max
von Laue, Max
Weizel, Walter
Wilhelmy, Ernst

GREAT BRITAIN—34

Allibone, T. E.
Applegard, Edgar T. S.
Blackett, P. M. S.
Bragg, Sir William
Brook, George B.
Carroll, John A.
Chapman, Sydney
Cockroft, J. D.
Curry, R.
Curtis, W. E.
Darwin, Charles G.
Ditchburn, Robert W.
Dymond, E. Gilbert
Emeleus, K. G.
Goyer, Marie
Hackett, Felix E.
Jones, T. J.
Kapitza, P.
Lennard-Jones, J. E.
Lowater, Frances
McLennan, J. C.
Palmer, L. S.
Penney, W. G.
Pearse, R. W. B.
Richardson, O. W.
Roberts, J. K.
Robertson, John M.
Rutherford, Lord
Schrödinger, E.
Skinner, H. W. B.
Sutherland, Gordon B. B. M.
Taylor, A. Maurice
Williams, W. Ewart
Worsnop, B. L.

HAWAII—3

Eller, Willard H.
Kirkpatrick, Harry A.
Miyake, Iwao

HOLLAND—8

de Graaff, A.
Ittmann, G. P.
Kramers, H. A.
Kronig, R. de Laer
Michels, A. M. J. F.
Prins, J. Alingh
Uyterhoeven, W.
Zanstra, H.

HUNGARY—1

Lanczos, Cornelius

INDIA—4

Benade, J. M.
Raman, C. V.
Smith, Dwight O.

ITALY—2

La Rosa, M.
Sagui, Cornelio L.

JAPAN—59

Asada, Tsunesaburo
Asao, S.
Fukushima, Einosuke
Fukushima, Iwao
Hamada, S.
Hayasi, Tatuo
Hukusima, Hirosi
Igari, Mituyosi
Imanishi, Sunao
Imaoka, Yoshio
Isshiki, T.
Itoh, J.
Kakeshita, Hikotaro
Kakinuma, Usaku
Kiuti, Masazo
Koana, Jun
Kobayasi, Atusi
Koga, Issac

Japan con't.
Kubo, Tosihiko
Kujirai, T.
Kuno, Takuji
Matsui, Kuniyasu
Miduno, Zen'emon
Minakawa, Osamu
Motida, Nobuo
Nagaoka, Hantaro
Nishi, T.
Nishida, Sotohkio
Nishikawa, Shoji
Nishina, Yoshio
Ohno, Saizo
Okaya, Tokiharu
Ono, Suminosuke
Sasao, Masaaki
Sawada, Masao
Sawai, Tokutaro
Shinomiya, T.
Shirai, Shunji
So, M.
Suga, Yosuke
Sugiura, Yoshikatsu
Suzuki, H.
Takizawa, S.
Tamura, Matsuhei
Tamura, Tikawo
Tanaka, Masamachi
Tanaka, Tutomu
Tesima, Takehiko
Togo, Shiji
Toh, S. R.
Tsubota, Hiroshi
Ueno, Sigeo
Yagi, Hidetsugu
Yamada, Hikoji
Yamasaki, Fumio
Yamauti, Ziro
Yasaki, Tameiti
Yukawa, Hideki

NORWAY—2

Bjerknes, V.
Sponer, Herta

PHILIPPINE ISLANDS—1

Deppermann, C. E.

PERU—1

Korff, Serge A.

POLAND—3

Kalandyk, S.
Loria, Stanislau
Peczalski, T.

RUSSIA—3

Frenkel, J.
Joffe, Abraham
Schein, Marcel

SIAM—1

Brata, Luang

SOCIETY ISLANDS—1

Smith, Harrison W.

SWEDEN—4

Benedicks, Carl A. F.
Borelius, Carl O. G.
Norinder, Harald
Siegbahn, Manne

SWITZERLAND—6

Bär, Richard
Frey, Bernhard
Hagenbach, August
Stueckelberg, E. C. G.
Weigle, J. J.
Wehrli, Max

SYRIA—2

Bacon, Arthur A.
Brown, J. A.

VENEZUELA—1

Boots, Paul H.